

2017**M.Sc.****3rd Semester Examination****CLINICAL NUTRITION & DIETETICS****PAPER—CND-303***Full Marks : 40**Time : 2 Hours*

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any three of from the rest.

1. Answer any ten questions the following : 10×1

Answer all questions with correct choice :

(a) Heatburn is due to regurgitation of—

- (i) gastric acid into the esophagus ;
- (ii) gastric acid into the upper part of the duodenum ;
- (iii) gastric acid that causes irritation of the heart ;

(Turn Over)

(iv) gastric acid into the colon.

(b) PPIs require in the treatment—

(i) GERD ;

(ii) Heart burn ;

(iii) Dyspepsia ;

(iv) All of the above.

(c) Osteoarthritis may cause due to—

(i) Mechanical injury ;

(ii) Excess body weight ;

(iii) Hormonal deficiency in old age ;

(iv) All of the above.

(d) Empirical diet is mostly prescribed in—

(i) GERD ;

(ii) IBS ;

(iii) RA ;

(iv) SLE.

(e) Flatulence is defined as—

(i) Flatus expelled through anus ;

- (ii) Flatus expelled through mouth ;
 - (iii) Feculent smell of gases ;
 - (iv) None of the above.
- (f) Bacillary dysentery is related to —
- (i) Amoebic dysentery ;
 - (ii) Shigellosis ;
 - (iii) Rota virus mediated dysentery ;
 - (iv) All of the above.
- (g) SLE patients may develop —
- (i) Anticardiolipin antibody ;
 - (ii) Anti-ds-DNA ;
 - (iii) Antinuclear antibody ;
 - (iv) All of the above.

(h) Rye, barlee should be restricted in —

(i) NCGS ;

(ii) IBS ;

(iii) All of the above ;

(iv) None of the above.

(i) Following vitamin deficiency increases the risk of the increased episode of diarrhoea.

(i) Vitamin-A

(ii) Vitamin-D

(iii) Vitamin-E

(iv) Vitamin-K

(j) Inflammatory bowel disease is

(i) Crhon's disease ;

(ii) Hiatal hernia ;

(iii) Baret's Oesphagus ;

(iv) Repeated episode of constipation and diarrhoea.

2. (a) How do you differentiate rheumatoid arthritis from osteoarthritis ?

(b) Discuss the role of citrullinated antibody and defect of the domain IgG in the progression of RA.

(c) What types of diet should be recommended for rheumatic disease like RA and Lupus— Discuss briefly. 1+(3+3)+3

3. (a) Discuss the pathophysiology of peptic ulcer disease.

(b) How does *Helicobacter Pylori* self protected from low pH of stomach?—Justify a test for this.

(c) Enumerate the recent concept of dietary recommendation except bland diet for peptic ulcer patients. 3+3+4

4. (a) Discuss the primary cause of GERD along with elaborating the pathological or metabolic factors of GERD.

(b) What is Barrett's esophagus?

(c) "Life style modification is the best practice to manage GERD"—Justify the statement. 4+2+4

5. (a) Differentiate osmotic diarrhoea and exudate diarrhoea.

- (b) State the noninfectious causes of diarrhoea.
- (c) What type of nutritional precaution should be adopted to prevent the rota-virus-mediated diarrhoea in infant ?
- (d) What is meant by "traveller's diarrhoea"?
- 2+2+4+2

6. (a) What is aerophagia ?

- (b) What is the volume percentage of endogenously produced intestinal gases in normal persons ?
- (c) Discuss the role of colon and rectal muscle in the formation and release of flatus.
- (d) Discuss the inclusion and exclusion of food types for a person severely suffering from flatus.

2+1+3+4
